



1600

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/717,641A

DATE: 04/09/2003
 TIME: 11:38:05

Input Set : A:\P0645P4D2C3.txt
 Output Set: N:\CRF4\04092003\I717641A.raw

W--> 1 Patin Docket Preview *delete*

**Does Not Comply
 Corrected Diskette Needed**

7 <110> APPLICANT: Garrard, Lisa J.
 8 Henner, Dennis J.
 9 Bass, Steven
 10 Greene, Ronald
 11 Lowman, Henry B.
 12 Wells, James A.
 13 Matthews, David J.
 15 <120> TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS WITH ALTERED
 16 BINDING PROPERTIES
 18 <130> FILE REFERENCE: P0645P4D2C3
 20 <140> CURRENT APPLICATION NUMBER: US 09/717,641A
 C--> 21 <141> CURRENT FILING DATE: ~~2003-04-02~~ 2000-11-21
 23 <150> PRIOR APPLICATION NUMBER: US 08/922,345
 24 <151> PRIOR FILING DATE: 1997-09-03
 26 <150> PRIOR APPLICATION NUMBER: US 08/463,587
 27 <151> PRIOR FILING DATE: 1995-06-05
 29 <150> PRIOR APPLICATION NUMBER: US 08/050,058
 30 <151> PRIOR FILING DATE: 1993-04-30
 32 <150> PRIOR APPLICATION NUMBER: PCT/US91/09133
 33 <151> PRIOR FILING DATE: 1991-12-03
 35 <150> PRIOR APPLICATION NUMBER: US 07/743,614
 36 <151> PRIOR FILING DATE: 1991-08-09
 38 <150> PRIOR APPLICATION NUMBER: US 07/715,300
 39 <151> PRIOR FILING DATE: 1991-06-14
 41 <150> PRIOR APPLICATION NUMBER: US 07/683,400
 42 <151> PRIOR FILING DATE: 1991-04-10
 44 <150> PRIOR APPLICATION NUMBER: US 07/621,667
 45 <151> PRIOR FILING DATE: 1990-12-03
 47 <160> NUMBER OF SEQ ID NOS: 108
 49 <210> SEQ ID NO: 1
 50 <211> LENGTH: 36
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Synthetic
 57 <400> SEQUENCE: 1
 58 ggcagctgtg gcttctagag tggcggcgcc tctgg 36
 60 <210> SEQ ID NO: 2
 61 <211> LENGTH: 36
 62 <212> TYPE: DNA
 63 <213> ORGANISM: Artificial sequence
 65 <220> FEATURE:

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66 <223> OTHER INFORMATION: Synthetic
68 <400> SEQUENCE: 2
69 agctgtggct tcgggccc tt agcatttaat gcggta 36
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 33
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic
79 <400> SEQUENCE: 3
80 ttcacaaaacg aaggccccct aattaaagcc aga 33
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 30
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Synthetic
90 <400> SEQUENCE: 4
91 caataataac gggctagcca aaagaactgg 30
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 24
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic
101 <400> SEQUENCE: 5
102 cacgacagaa ttcccgactg gaaa 24
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 23
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic
112 <400> SEQUENCE: 6
113 ctgtttctag agtggaaattt tta 23
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Synthetic
123 <400> SEQUENCE: 7
124 acattcctgg gtaccgtgca g 21
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 63
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Synthetic

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134 <220> FEATURE:
135 <221> NAME/KEY: unsure
136 <222> LOCATION: 21-22, 27-28, 33-34, 39-40
137 <223> OTHER INFORMATION: unknown base
139 <400> SEQUENCE: 8

W--> 140 gcttcaggaa ggacatggac nnsgtcnnsa cannsctgmn satcgtgcag 50
142 tgccgtctg tgg 63
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 24
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Synthetic
152 <400> SEQUENCE: 9
153 aagggtctcca catacctgag gatc 24
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 33
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic
163 <400> SEQUENCE: 10
164 atggacaagg tgcgtcgacata cctgcgcattc gtg 33
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 36
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Synthetic
174 <400> SEQUENCE: 11
175 ggcagctgtg gattcttagag tggcggtggc tcttgt 36
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 12
179 <212> TYPE: PRT
180 <213> ORGANISM: Artificial sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Synthetic
185 <400> SEQUENCE: 12
186 Gly Ser Cys Gly Phe Glu Ser Gly Gly Gly Ser Gly
187 1 5 10
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 27
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic
197 <400> SEQUENCE: 13
198 cggactgggc agatattcaa gcagacc 27
200 <210> SEQ ID NO: 14

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Input Set : A:\P0645P4D2C3.txt
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201 <211> LENGTH: 38
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Synthetic
208 <400> SEQUENCE: 14
209 ctcagaact acgggttacc ctgactgctt caggaagg 38
211 <210> SEQ ID NO: 15
212 <211> LENGTH: 30
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Synthetic
219 <400> SEQUENCE: 15
220 cgcatcgtgc agtgcagatc tgtggaggc 30
222 <210> SEQ ID NO: 16
223 <211> LENGTH: 66
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Synthetic
230 <220> FEATURE:
231 <221> NAME/KEY: unsure
232 <222> LOCATION: 33-34, 39-40, 45-46, 51-52
233 <223> OTHER INFORMATION: unknown base
235 <400> SEQUENCE: 16

W--> 236 gttactctac tgctttcagg aaggacatgg acnnshtcnn sacannsctg 50
238 nnsatcgtgc agtgc 66
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 64
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 19-20, 25-26, 31-32, 37-38
251 <223> OTHER INFORMATION: unknown base
253 <400> SEQUENCE: 17

W--> 254 gatctgcact gcacgatsnn cagsnntgts nngacsnngt ccatgtccctt 50
256 cctgaagcag taga 64
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 25
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetic
266 <400> SEQUENCE: 18
267 gcctttgaca ggtaccagga gtttg 25

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Input Set : A:\P0645P4D2C3.txt
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269 <210> SEQ ID NO: 19
270 <211> LENGTH: 33
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic
277 <400> SEQUENCE: 19
278 ccaactatac cactctcgag gtctattcga taa 33
280 <210> SEQ ID NO: 20
281 <211> LENGTH: 66
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Synthetic
288 <220> FEATURE:
289 <221> NAME/KEY: unsure
290 <222> LOCATION: 10-11, 22-23, 34-35, 43-44
291 <223> OTHER INFORMATION: unknown base
293 <400> SEQUENCE: 20
W--> 294 tcgaggctcn nsgacaacgc gnnscgcgt gctnnscgtc tttnscagct 50
296 ggcotttgac acgtac 66
298 <210> SEQ ID NO: 21
299 <211> LENGTH: 58
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Synthetic
306 <220> FEATURE:
307 <221> NAME/KEY: unsure
308 <222> LOCATION: 19-20, 28-29, 40-41, 52-53
309 <223> OTHER INFORMATION: unknown base
311 <400> SEQUENCE: 21
W--> 312 gtgtcaaagg ccagctgsnn aagacgsnna gcacgcagsn ncgcgttgc 50
314 snngagcc 58
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 65
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Synthetic
324 <220> FEATURE:
325 <221> NAME/KEY: unsure
326 <222> LOCATION: 17-18, 29-30, 41-42, 53-54
327 <223> OTHER INFORMATION: unknown base
329 <400> SEQUENCE: 22
W--> 330 gttactctac tgcttcnnsa aggacatgnn saaggtcagc nnstacctgc 50
332 gcnnsgtgca gtgca 65
334 <210> SEQ ID NO: 23
335 <211> LENGTH: 64

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/717,641A

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Input Set : A:\P0645P4D2C3.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 21,22,27,28,33,34,39,40
Seq#:16; N Pos. 33,34,39,40,45,46,51,52
Seq#:17; N Pos. 19,20,25,26,31,32,37,38
Seq#:20; N Pos. 10,11,22,23,34,35,43,44
Seq#:21; N Pos. 19,20,28,29,40,41,52,53
Seq#:22; N Pos. 17,18,29,30,41,42,53,54
Seq#:23; N Pos. 16,17,28,29,40,41,52,53
Seq#:30; N Pos. 11,12,14,15
Seq#:31; N Pos. 15,16,18,19
Seq#:37; N Pos. 7,8,9
Seq#:101; Xaa Pos. 3

VERIFICATION SUMMARY

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L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
M:341 Repeated in SeqNo=22
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
M:341 Repeated in SeqNo=23
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1500 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:101
L:1505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0